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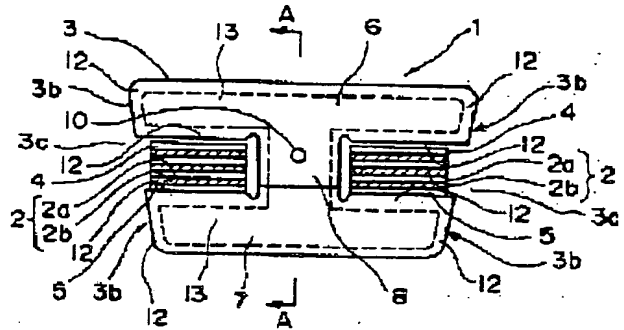
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TITLE : HIGH LOAD TRANSMISSION BELT



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the pitch noise, and to make the constant oil supply unnecessary, by forming an endless carrier by alternately stacking the resin bands and the metallic bands to form a layered body, and positioning the resin bands as the uppermost layer and the lowermost layer.

SOLUTION: An endless carrier 2 is formed by alternately stacking the resin bands 2a and the metallic bands 2b, in such manner that the uppermost layer 4 and the lowermost layer 5 are formed by the resin bands 2a. By forming the uppermost layer 4 and the lowermost layer 5 to be kept into contact with a block 3, with the resin bands 2a, the constant oil supply for the lubrication, becomes unnecessary even in a push transmission type belt which is driven by the sliding of the metallic block 3 on the endless carrier 2, so that the belt driving device almost free from the maintenance, can be provided. Further by compensating the tensile strength of the resin bands 2a which is sometimes insufficient, with the metallic band 2b installed between the resin bands, the endless carrier 2 having the sufficient tensile strength can be obtained.

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